Deepwater Horizon Incident, Gulf of Mexico

Region 6 REOC Update

Subject:	**Region 6 Update # 13** **Deepwater Horizon Incident, Gulf of Mexico**
Date:	May 10, 2010
To:	Incident Command
Thru:	Planning Section
From:	Situation Unit
Operational Period:	May 9, 2010 2401 – May 9, 2010 2400
Reporting Period:	May 9, 2010 2401 – May 10, 2010 1300

1. Background

Site Name:	Deepwater Horizon Incident	**FPN#:**	N10036
Mobilization Date:	4/27/2010	**Start Date:**	4/28/2010

2. Current Situation

- Incident Status Summary as reported by BP for operational period 5/9 06:00 – 5/10 06:00
    - An estimated total of 87.300 barrels of oil released to date; estimated 5,000 barrels released during this operational period.
    - A total of 283,950 feet of boom deployed to date; 39,550 feet deployed during this operational period.
    - A total of 428,019 gallons of dispersant has been applied (subsea and surface); 55,932 gallons were applied during this operational period

2.1 (USCG) Incident Command Post (Houma, LA)

- No in situ burning for 5/10, skimming and burning fleets restricted to the port due to waves and weather. In-situ burns scheduled for tomorrow, depending upon sea and weather conditions.

- Aerial dispersant application and source control measures continue on 5/10. Due to the sea/weather conditions, SCAT operations will be conducted primarily by air,. No oil removal has occurred yet on the Chandeleur Islands. Attempting to identify oil in Breton Sound, moving east towards Florida in the afternoon.

- A coordinated dispersant spray operation is ongoing with spotter and spray aircraft.

2.2 (USCG) Area Command Post (Robert, LA)

- The Area Command Environmental Unit leadership continue to coordinate overall strategies for monitoring subsurface dispersed oil plumes.

2.3 Air Monitoring/Sampling

- EPA continues to conduct air monitoring and sampling in Venice operations area (VOCs and Particulates):
  - Venice, LA - 29.25274 N, 89.35750 W - V02;
  - Boothville, LA - 29.31449 N, 89.38433 W - V03;
  - Fort Jackson, LA – 29.35699 N, 89.45487 W – V05.
- EPA continues to conduct air monitoring and sampling in Chalmette operations area (VOCs and Particulates):
  - Poydras, LA – 29.86609, -89.89108 – C02 - located at Fire Station number 8;
  - Hopedale, LA – 29.82209, -89.60862 – C03 - located at the Emergency Operations Center;
  - Chalmette, LA - 29.96082, -90.00132 - C04 – located at FireStation on Aycock St.
- Each air monitoring location has 5 pieces of air equipment:
  - DataRAM - monitoring particulate matter PM10 up to
  - EBAM (Particulate Monitors)-equipment will replace DataRAM's (DataRAMs in operation as back-ups while EBAMs are deployed;
  - AreaRae - monitoring VOCs;
  - PQ200 - samples for PM2.5;
  - SUMMA Canisters per location - sample for VOCs.
- All air monitoring/sampling stations are monitored throughout the day (24 hours) for immediate reporting of any elevated VOC or particulate levels. The maximum reading is reported to the OSC at Area Command Post in Venice and Chalmette.

- Real-time air monitoring data from midnight to midnight each day is reviewed for field QA and uploaded into SCRIBE by 1200 each day and available to EPA Headquarters.

- At location C0? (in Chalmette), the MultiRae reflected 13.6 ppm (exceeding 10 ppm action level). EPA used Drager tubes for benzene to analyze for the presence of benzene, but was negative. Crew suspected humidity caused the PID to show a biased reading.

- Venice air monitoring/sampling reported no action level exceedences.

EPA summary of air monitoring/sampling activities:

Air Monitoring & Samples	DataRAM (PM10)	AreaRae	SUMMA Canisters	PM2.5	TOTALS FOR 5/9
Venice	3 locs/24-hr	3 locs/24-hr	9	3	12
Chalmette	2 locs/24-hr	3 locs/24-hr	6	3	6
TOTAL TO DATE	6 locs/24-hr	6 locs/24-hr	134	54	

*QAQC samples not included in sample count

2.4 Water/Sediment Sampling

- EPA continues to conduct water and sediment sampling at locations provided by EPA Headquarters and selected through National Coastline Condition Assessment (NCCA) program. The NCCA sample locations are sampled every four years by state agencies with U.S. Coastlines. Sample parameters and locations were also selected in coordination with the EPA Region 6 Water Quality Division.

- Representatives from the Water Division and the REOC Environmental Units from R6 and R4 conduct a conference call three times a week with the HQ EOC to discuss the coordination and consistency of water and sediment sampling across the Deepwater Horizon Incident Response.

- On 5/9, Chalmette water operations collected water and sediment samples from four (4) locations in Terrebone Bay. No oiled wildlife or oil odors were detected. One water/sediment sample was collected for PCB/Pesticide analysis (CERCLA funding). Water operations will continue on 5/10.

- Venice water operations were not conducted on 5/9.

EPA summary of water/sediment activities:

Water/Sediment Samples	Water	Sediment	TOTALS FOR 5/9
Venice	0	0	0
Chalmette	4	4	8
TOTAL TO DATE	53	46	

*QAQC samples not included in sample count

2. 5 TAGA

- No TAGA monitoring was conducted for 5/9.

- TAGA 1553 will perform mobile monitoring for (BTEX) Southeastern LA – Slidell to Venice for 5/10.

2.6 ASPECT

- On 5/9 during ASPECT's first flight, crew observed oil recovery operations, but no in situ burning noted, and no aerial dispersant application was observed. The flight crew continued south of the recovery area for about 25 miles until oil sheen became noticeably thinner, 28N 26.63 88W 30.12 (approximately 75 miles SE of the delta).

- On 5/9, ASPECT collected 4 data runs over the oil recovery area. Crew noted that the amount of sea oil on the surface appeared larger on 5/9 than on previous days, the edge of the sea oil was further north during the second flight than found in the first flight, the sea oil continued south of the oil recovery area until it thinned (approximately 22 miles out from the rig), the western edge of concentrated oil extended 10 miles from the rig, and some aerial dispersant application was occurring during the second flight.

- Pilots reported light sheen seen south of the mouth of Mobile Bay, 30N 4.64 88W 7.8. A second report of east-west sheen line of oil noted south of Chandeleur Islands at 29N 45.15 88W 49.40 (approximately 25 miles southeast of Chandeleur Islands).

- Pending weather conditions, ASPECT is slated for one flight on 5/10 to monitor activities in the recovery area and along the coast.

2.7 Water Quality Protection Division Update

- No update for this reporting period.

3. EPA Assets

3.1 Current Assets Deployed

- Activated in Dallas, TX
  - REOC is activated
  - SRICT activated
  - RRT activated

Deployed Personnel

Personnel	Dallas, TX	Venice, LA	Robert, LA	Houma, LA	New Orleans, LA	Chalmette, LA	Slidell, LA	TOTALS
EPA								
- OSC	3	1		1		1		6
- RSC	5		1	1				7
- PIO			3					3
- Other	3		2	1	1	1		8
START	5	17				16		38
ERT Contractor		1						1
TAGA Personnel							5	5
ASPECT Personnel							4	4
Other								
TOTALS	16	19	6	3	1	18	9	72

Deployed Equipment

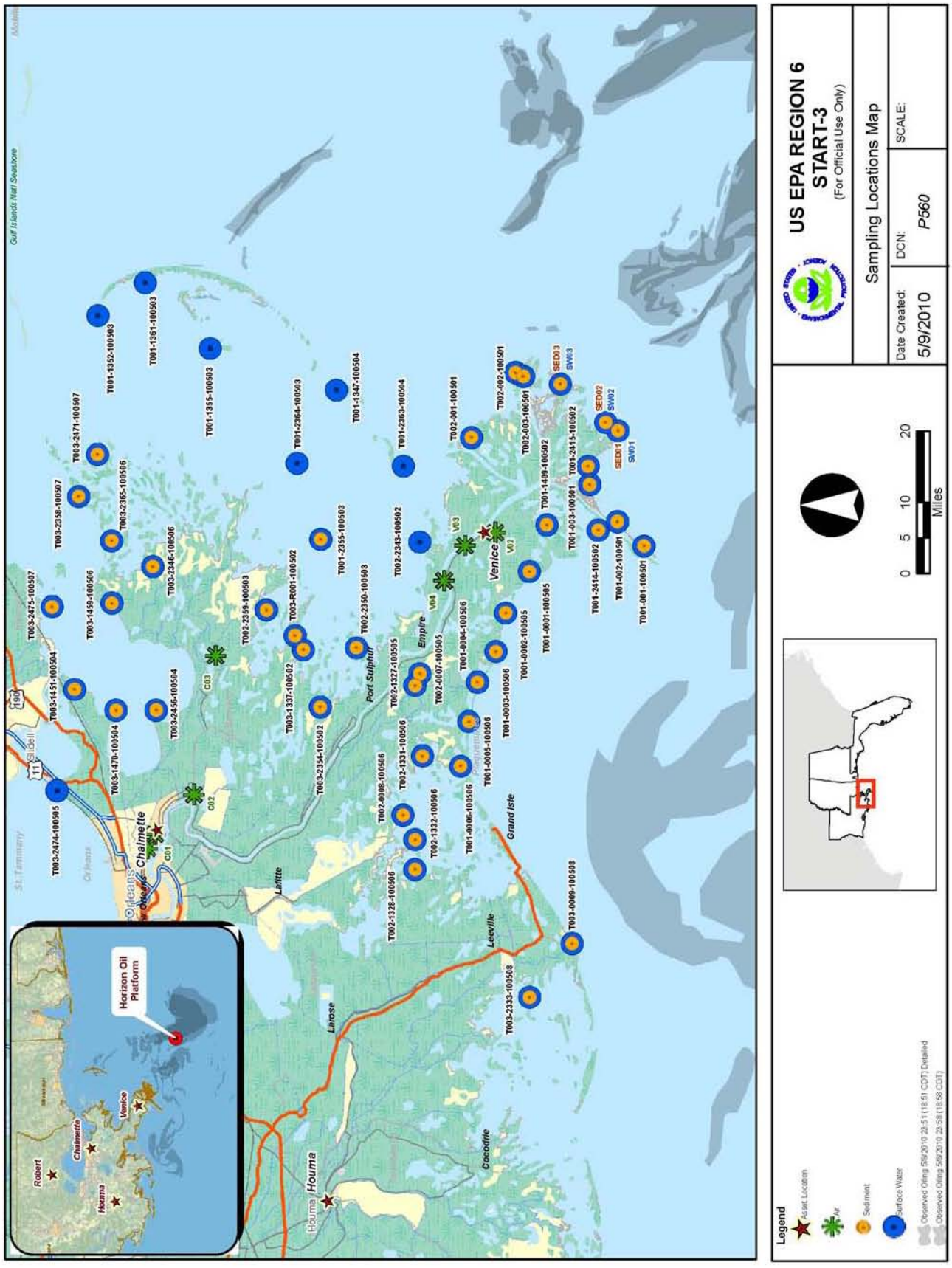
Equipment	Dallas, TX	Venice, LA	Robert, LA	Houma, LA	New Orleans, LA	Chalmette, LA	Slidell, LA	TOTALS
Mobile Command Post		1						1
ASPECT							1	1
TAGA Bus							2	2
LRV			1			1		2
Gooseneck Trailer		1						1
20 KW Generator		1						1

4. Daily Cost Estimates

	Est. Personnel Oblig.	Est. Travel Oblig.	IA/Contract/ Purchase Commit/Oblig.	Contract/ Purchase Spent	TOTAL OBLIG.	Authorized Ceiling	Balance	Est. Daily Burn Rate
USCG PRFA FPN N10036	$161,400	$55.753	$1,826,213	$651,000	$2,043,366	$4,420,084	$3,551,931	$167,450
TOTAL EPA FUNDED						$579,916		
Region 6 Indirect Rate 13.12%								
Louisiana Total	$161,400	$55.753	$1,826,213	$651,000	$2,043,366	$4,420,084	$3,551,931	$167,450

Figure 1 – GIS Unit Lead in Chalmette, LA.

Monitoring/Sampling Locations



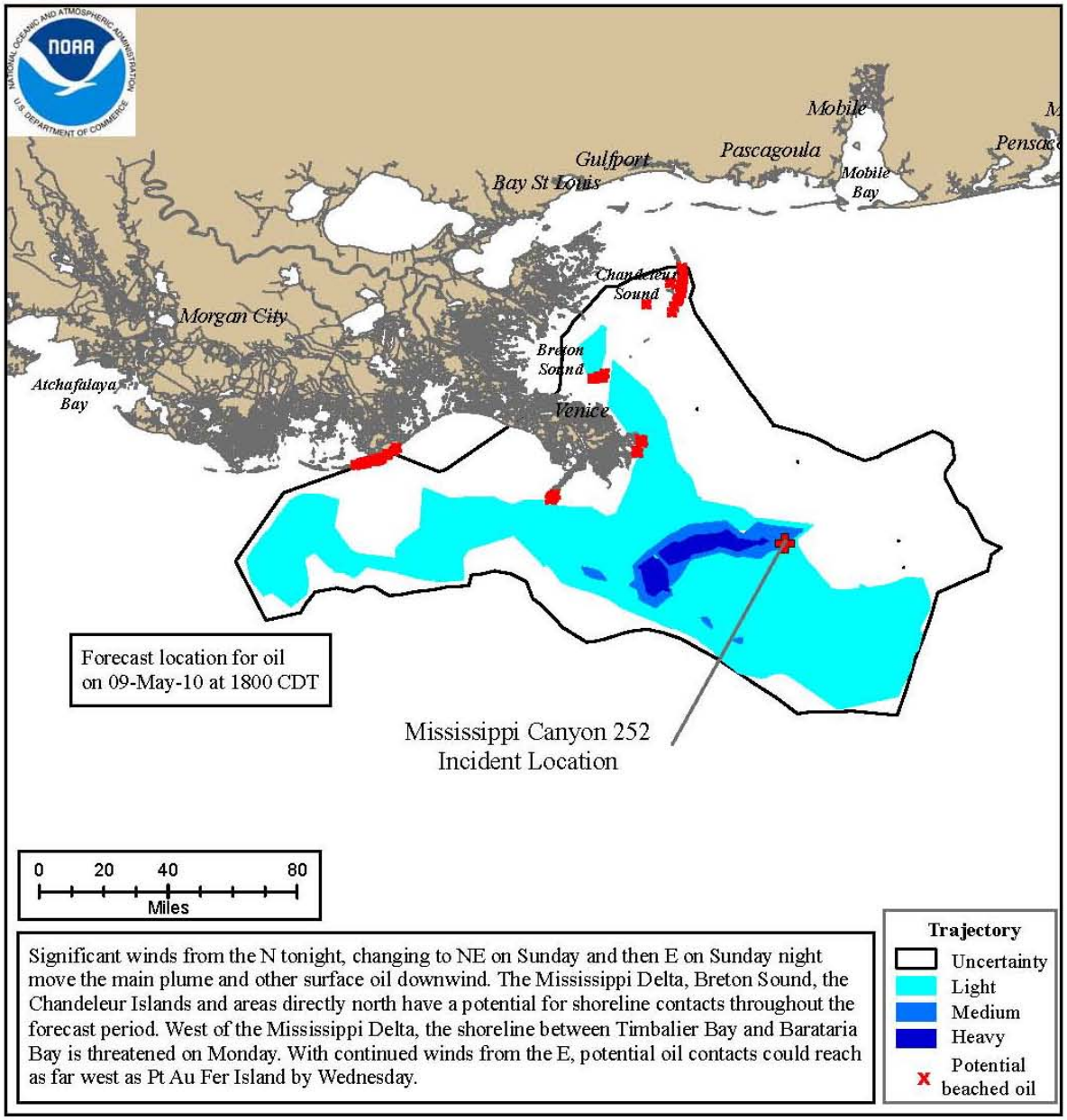
Trajectory Forecast
Mississippi Canyon 252

NOAA/NOS/OR&R

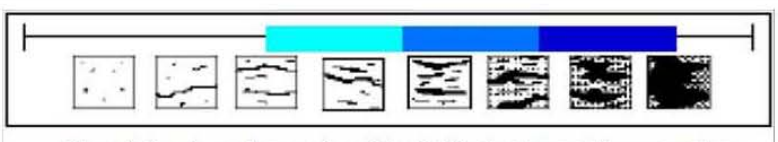
Estimate for: 1800 CDT, Sunday, 5/09/10

Date Prepared: 2100 CDT, Saturday, 5/08/10

This forecast is based on the NWS spot forecast from Saturday, May 8th PM. Currents were obtained from the NOAA Gulf of Mexico, West Florida Shelf/USF, Texas A&M/TGLO, and NAVO/NRL models and HFR measurements. The model was initialized from satellite imagery, analysis provided by NOAA/NESDIS obtained Saturday morning, and Friday/Saturday overflight observations. The leading edge may contain tarballs that are not readily observable from the imagery (hence not included in the model initialization). Oil near bay inlets could be brought into that bay by local tidal currents.



Significant winds from the N tonight, changing to NE on Sunday and then E on Sunday night move the main plume and other surface oil downwind. The Mississippi Delta, Breton Sound, the Chandeleur Islands and areas directly north have a potential for shoreline contacts throughout the forecast period. West of the Mississippi Delta, the shoreline between Timbalier Bay and Barataria Bay is threatened on Monday. With continued winds from the E, potential oil contacts could reach as far west as Pt Au Fer Island by Wednesday.



this scale bar shows the meaning of the distribution terms at the current time

Next Forecast: May 9th PM